



# Pukyong National University modeling team

(PI: Prof. Hanlim lee)



## Group Members

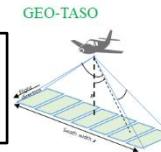
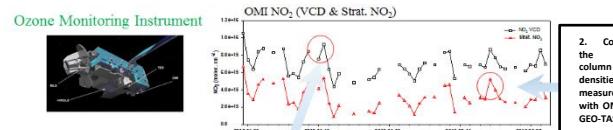


Hanlim lee

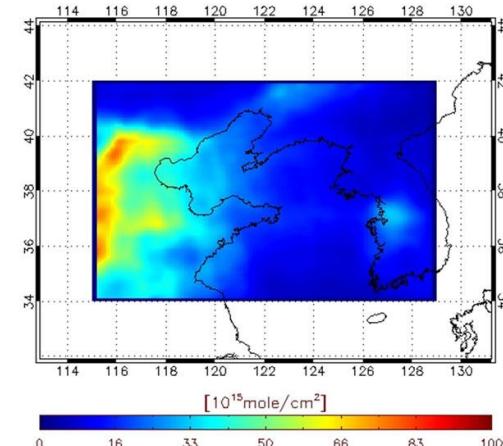
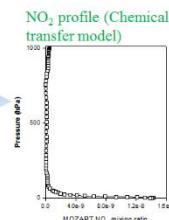
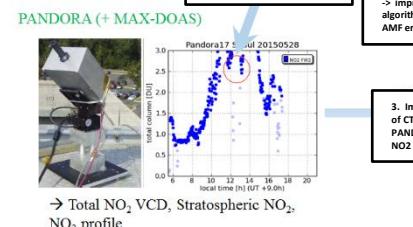


Hyunkee Hong

## Development of NO<sub>2</sub> retrieval algorithm



2. Compare the NO<sub>2</sub> column densities measured with OMI and GEO-TASO
3. Improve the accuracy of CTM NO<sub>2</sub> profile using PANDORA (+MAX-DOAS) NO<sub>2</sub> measurements
4. NO<sub>2</sub> retrieval error due to AMF: 15-50%  
→ Improve GEMS NO<sub>2</sub> retrieval algorithm with reduction of NO<sub>2</sub> AMF error



## Flow chart of NO<sub>2</sub> retrieval algorithm

